

A SENSOR AND METHODS OF MAKING AND USING THE SAME

ABSTRACT

[0056] A sensor including: an upper shell, an outer shield disposed in physical communication with the upper shell, a sensing element comprising a sensing electrode and a reference electrode disposed at a sensing end of the sensing element, wherein the sensing end is disposed in the outer shield, and a sampling tube extending from the outer shield. The sampling tube is configured to enable fluid communication between the sensing element and an environment external to the outer shield.